Audet. M.
10/032376

FILE 'REGISTRY' ENTERED AT 14:33:45 ON 19 MAY 2005

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 MAY 2005 HIGHEST RN 850688-83-4
DICTIONARY FILE UPDATES: 18 MAY 2005 HIGHEST RN 850688-83-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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L1             6 SEA FILE=REGISTRY ABB=ON  PLU=ON  LQKQLSLPETGELDSATLKAMRTPR
                 CGVPDLGRFQTFEGDLKWHHHN/SQEP
L2             7 SEA FILE=REGISTRY ABB=ON  PLU=ON  MQEFFGLKVTGKPDAETLKVMKQPR
                 CGVPDVAQFVLTEGNPRWEQTHLTYRIEN/SQEP
L3             7 SEA FILE=REGISTRY ABB=ON  PLU=ON  MQRFFGLNVTGKPNEETLDMMKKPR
                 CGVPDSGGFMLTPGNPKWERTNLTYRIRNY/SQEP
L4            20 SEA FILE=REGISTRY ABB=ON  PLU=ON  L1 OR L2 OR L3

L4   ANSWER 1 OF 20  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   813576-46-4  REGISTRY
CN   Collagenase (human proenzyme cleavage site-containing) (9CI)  (CA
     INDEX NAME)
OTHER NAMES:
CN   10: PN: US20040259802 SEQID: 10 claimed protein
CI   MAN
SQL  55

SEQ      1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
           ========== ========== ========== ========== ==========
        51 RIRNY
           =====
HITS AT:   1-55
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 142:79857

L4 ANSWER 2 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 813576-45-3 REGISTRY
CN Collagenase (human proenzyme cleavage site-containing) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9: PN: US20040259802 SEQID: 9 claimed protein
CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
51 RIEN
HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 142:79857

L4 ANSWER 3 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 813576-40-8 REGISTRY
CN L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: US20040259802 SEQID: 8 claimed protein
CI MAN
SQL **47**

SEQ 1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
HITS AT: 1-47

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 142:79857

L4 ANSWER 4 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 714395-57-0 REGISTRY
CN 12: PN: US20040127421 SEQID: 10 unclaimed protein (9CI) (CA INDEX NAME)
CI MAN
SQL **55**

SEQ 1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
51 RIRNY
HITS AT: 1-55

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 141:84377

L4 ANSWER 5 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 714395-56-9 REGISTRY
CN 11: PN: US20040127421 SEQID: 9 unclaimed protein (9CI) (CA INDEX NAME)
CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
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51 RIEN
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HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 141:84377

L4 ANSWER 6 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 714395-55-8 REGISTRY
CN L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10: PN: US20040127421 SEQID: 8 unclaimed protein
CI MAN
SQL **47**

SEQ 1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
========== ========== ========== ========== =======
HITS AT: 1-47

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 141:84377

L4 ANSWER 7 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 592563-47-8 REGISTRY
CN Collagenase, pro- (human proenzyme cleavage domain-containing fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10: PN: US20030166567 SEQID: 10 claimed protein
CN Pro-matrix metalloproteinase 8 (human proenzyme cleavage domain-containing fragment)
CI MAN
SQL **55**

SEQ 1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
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51 RIRNY
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HITS AT: 1-55

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:226471

L4 ANSWER 8 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 592563-46-7 REGISTRY
CN Collagenase, pro- (human proenzyme cleavage domain-containing fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9: PN: US20030166567 SEQID: 9 claimed protein
CN Pro-matrix metalloproteinase 1 (human proenzyme cleavage domain-containing fragment)
CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
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51 RIEN
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HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:226471

L4 ANSWER 9 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 592563-45-6 REGISTRY
CN L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: US20030166567 SEQID: 8 claimed protein
CN Gelatinase B, pro- (human proenzyme cleavage domain-containing fragment)
CI MAN
SQL **47**

SEQ 1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
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HITS AT: 1-47

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:226471

L4 ANSWER 10 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 569691-56-1 REGISTRY
CN Collagenase (synthetic fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10: PN: US20030148959 SEQID: 10 claimed protein
CI MAN

SQL **55**

SEQ 1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
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51 RIRNY
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HITS AT: 1-55

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:159964

L4 ANSWER 11 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 569691-55-0 REGISTRY
CN Collagenase (synthetic fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9: PN: US20030148959 SEQID: 9 claimed protein
CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
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51 RIEN
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HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:159964

L4 ANSWER 12 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 532697-65-7 REGISTRY
CN Matrix metalloproteinase inhibitor peptide (human 55-amino acid isoform) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9: PN: US20030096757 SEQID: 10 claimed protein
CN Matrix metalloproteinase inhibitor peptide (human)
CI MAN
SQL **55**

SEQ 1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
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51 RIRNY
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HITS AT: 1-55

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 139:12251

L4 ANSWER 13 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 532697-64-6 REGISTRY
CN Matrix metalloproteinase inhibitor peptide (human 54-amino acid isoform) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: US20030096757 SEQID: 9 claimed protein
CN Matrix metalloproteinase inhibitor peptide (human)
CI MAN
SQL **54**

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SEQ      1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
           ========== ========== ========== ========== ==========
        51 RIEN
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HITS AT:   1-54

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

REFERENCE   1:  139:12251

L4   ANSWER 14 OF 20  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   532697-63-5  REGISTRY
CN   L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-
     seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-
     glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-
     leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-
     arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-
     leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-
     phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-
     lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI)  (CA INDEX
     NAME)
OTHER NAMES:
CN   7: PN: US20030096757 SEQID: 8 claimed protein
CN   Matrix metalloproteinase inhibitor peptide (human)
CI   MAN
SQL  47

SEQ      1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
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HITS AT:   1-47

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

REFERENCE   1:  139:12251

L4   ANSWER 15 OF 20  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   500817-30-1  REGISTRY
CN   Protein (human clone WO-13/018748-SEQID10) (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   10: PN: WO03018748 SEQID: 10 claimed protein
CI   MAN
SQL  55

SEQ      1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
           ========== ========== ========== ========== ==========
        51 RIRNY
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HITS AT:   1-55

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

REFERENCE   1:  138:226726

L4   ANSWER 16 OF 20  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   500817-29-8  REGISTRY
CN   Protein (human clone WO-13/018748-SEQID9) (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   9: PN: WO03018748 SEQID: 9 claimed protein
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CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
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51 RIEN
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HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 138:226726

L4 ANSWER 17 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 500817-28-7 REGISTRY
CN L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: WO03018748 SEQID: 8 claimed protein
CI MAN
SQL **47**

SEQ 1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
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HITS AT: 1-47

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 138:226726

L4 ANSWER 18 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 499252-78-7 REGISTRY
CN Collagenase (human proenzyme cleavage site-containing fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10: PN: WO03016520 SEQID: 10 claimed protein
CI MAN
SQL **55**

SEQ 1 MQRFFGLNVT GKPNEETLDM MKKPRCGVPD SGGFMLTPGN PKWERTNLTY
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51 RIRNY
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HITS AT: 1-55

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 138:183116

L4 ANSWER 19 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 499252-77-6 REGISTRY
CN Collagenase (human proenzyme cleavage site-containing fragment) (9CI)

(CA INDEX NAME)
OTHER NAMES:
CN 9: PN: WO03016520 SEQID: 9 claimed protein
CI MAN
SQL **54**

SEQ 1 MQEFFGLKVT GKPDAETLKV MKQPRCGVPD VAQFVLTEGN PRWEQTHLTY
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51 RIEN
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HITS AT: 1-54

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 138:183116

L4 ANSWER 20 OF 20 REGISTRY COPYRIGHT 2005 ACS on STN
RN 499252-68-5 REGISTRY
CN L-Asparagine, L-leucyl-L-glutaminyl-L-lysyl-L-glutaminyl-L-leucyl-L-seryl-L-leucyl-L-prolyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-leucyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-leucyl-L-lysyl-L-alanyl-L-methionyl-L-arginyl-L-threonyl-L-prolyl-L-arginyl-L-cysteinylglycyl-L-valyl-L-prolyl-L-α-aspartyl-L-leucylglycyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-threonyl-L-phenylalanyl-L-α-glutamylglycyl-L-α-aspartyl-L-leucyl-L-lysyl-L-tryptophyl-L-histidyl-L-histidyl-L-histidyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: WO03016520 SEQID: 8 claimed protein
CI MAN
SQL **47**

SEQ 1 LQKQLSLPET GELDSATLKA MRTPRCGVPD LGRFQTFEGD LKWHHHN
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=======
HITS AT: 1-47

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1: 138:183116

FILE 'CAPLUS' ENTERED AT 14:33:49 ON 19 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 19 May 2005 VOL 142 ISS 21
FILE LAST UPDATED: 18 May 2005 (20050518/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L5 7 L4

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 24 Dec 2004
ACCESSION NUMBER: 2004:1127074 CAPLUS
DOCUMENT NUMBER: 142:79857
TITLE: Matrix metalloproteinase peptides for inhibition of matrix metalloproteinases and inhibition of chondrosarcoma cell growth
INVENTOR(S): Yang, Shu-Ping; Quirk, Stephen
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 50 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004259802	A1	20041223	US 2003-601059	20030620
PRIORITY APPLN. INFO.:			US 2003-601059	20030620

AB The invention provides inhibitors of chondrosarcoma cell growth that are useful as anti-cancer and anti-tumor agents. The inhibitors are peptides having sequences related to cleavage regions of the proenzyme forms of matrix metalloproteinases and that can inhibit the activity of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams and wound dressings.

IT **813576-45-3 813576-46-4**
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; matrix metalloproteinase peptides for inhibition of matrix metalloproteinases and inhibition of chondrosarcoma cell growth)

IT **813576-40-8**
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(mmp9 peptide; matrix metalloproteinase peptides for inhibition of matrix metalloproteinases and inhibition of chondrosarcoma cell growth)

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 02 Jul 2004
ACCESSION NUMBER: 2004:533961 CAPLUS
DOCUMENT NUMBER: 141:84377
TITLE: Preparations of matrix metalloproteinase-inhibitory peptides with tissue fibronectin level increasing- and fibroblast-keratinocyte chemoattractant activities and application as skin damage remedies
INVENTOR(S): Malik, Sohail; Quirk, Stephen
PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 60 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004127421	A1	20040701	US 2002-335207	20021230
WO 2004060908	A2	20040722	WO 2003-US37053	20031118

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-335207 A 20021230

AB The invention provides peptides with specific sequences, and compns. containing those peptides, that increase the amount of fibronectin in tissue. The a.a. (amino acid) compns. of the designed peptides contain Met, Gly or Pro as apolar a.a., His, Lys, Arg, 2,3-diaminopropionic acid, Orn, homoarginine, p-aminophenylalanine or 2,4-diaminobutyric acid as basic a.a., Cys, homo-Cys, penicillamine or β-Me-Cys as Cys-like a.a., Ala, Val, Leu, Ile, t-butyl-Ala, N-Me-Ile, norleucine, N-Me-Val, cyclohexyl-Ala, β-Ala, N-Me-Gly or α-aminoisobutyric acid as aliphatic a.a., Asp or Glu as acidic a.a., Asn, Gln, Ser, Thr, Tyr, citrulline, N-Ac-Lys, Met sulfoxide or homoserine as polar a.a., Phe, Tyr, Trp, phenyl-Gly, naphthyl-Ala, β-2-thienyl-Ala, 1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid, 4-chlorophenylalanine, 2-fluorophenylalanine, 3-fluorophenylalanine, 4-fluorophenylalanine, pyridylalanine or 3-benzothienylalanine as aromatic a.a.. The designed peptides have inhibitory activities against matrix metalloproteinases (MMP-1 .apprx. MMP-13). The designed peptides have chemoattractant activities towards for fibroblasts or keratinocytes. These compns. are useful for encouraging the maintenance and development of healthy skin, for preventing and treating wrinkles, and for treating wounds. The peptides can be formulated into therapeutic compns., lotions, creams, skin coverings, ointments (peptide content ranging 0.001 .apprx. 35 weight %) and wound dressings that facilitate healing and healthy skin development, discourage scarring and wrinkling, and ameliorate the effects of healing.

IT **714395-55-8 714395-56-9 714395-57-0**
RL: PRP (Properties)
(unclaimed protein sequence; prepns. of matrix metalloproteinase-inhibitory peptides with tissue fibronectin level increasing- and fibroblast-keratinocyte chemoattractant activities and application as skin damage remedies)

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 05 Sep 2003

ACCESSION NUMBER: 2003:696524 CAPLUS
DOCUMENT NUMBER: 139:226471
TITLE: Peptide inhibitors of matrix metalloproteinases as skin anti-aging and wound healing compounds
INVENTOR(S): Quirk, Stephen; Malik, Sohail; Villanueva, Julie M.
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 62 pp., Cont.-in-part of U.S. Ser. No. 153,185.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2003166567	A1	20030904	US 2002-219561		20020815
US 2004127420	A1	20040701	US 2001-32376		20011221
US 2003148959	A1	20030807	US 2002-153185		20020521
PRIORITY APPLN. INFO.:			US 2001-312726P	P	20010816
			US 2001-32376	A2	20011221
			US 2002-153185	A2	20020521

AB The invention provides inhibitors of matrix metalloproteinases that are useful for encouraging the development of healthy skin and for treating wounds. The inhibitors are peptides having sequences related to the cleavage region of the proenzyme forms of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams, skin covering and wound dressings that facilitate healing and healthy skin development, discourage scarring and wrinkling and ameliorate the effects of healing. Examples of the invention show inhibition of matrix metalloproteinase-9 activity by 9-mer, 10-mer, and 19-mer cleavage domain peptides. Inhibitor consts. (Ki) ranged from 45.2-327.7 μM using FRET-peptide and fluoresceinated collagen substrates. A 19-mer peptide, which was derived from the MMP-2 cleavage domain region, showed activity in a variety of other assays, including wound healing in db/db diabetic mice, stimulation of proliferation of normal human dermal fibroblasts and keratinocytes, and increased collagen production in human skin fibroblasts.

IT **592563-45-6 592563-46-7 592563-47-8**
RL: COS (Cosmetic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; peptide inhibitors of matrix metalloproteinases as skin anti-aging and wound healing compds.)

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 08 Aug 2003
ACCESSION NUMBER: 2003:610061 CAPLUS
DOCUMENT NUMBER: 139:159964
TITLE: Peptides containing cleavage regions of matrix metalloproteinase proenzymes as skin anti-aging and wound healing compounds
INVENTOR(S): Quirk, Stephen; Malik, Sohail
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of

U.S. Ser. No. 32,376.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003148959	A1	20030807	US 2002-153185	20020521
US 2004127420	A1	20040701	US 2001-32376	20011221
CA 2456158	AA	20030227	CA 2002-2456158	20020815
WO 2003016520	A1	20030227	WO 2002-US26198	20020815
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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CA 2455883	AA	20030306	CA 2002-2455883	20020815
WO 2003018748	A2	20030306	WO 2002-US26319	20020815
WO 2003018748	A3	20040527		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003096757	A1	20030522	US 2002-219329	20020815
US 2003166567	A1	20030904	US 2002-219561	20020815
EP 1423515	A1	20040602	EP 2002-759388	20020815
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011641	A	20040713	BR 2002-11641	20020815
EP 1513542	A2	20050316	EP 2002-759399	20020815
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				

PRIORITY APPLN. INFO.:	US 2001-312726P	P	20010816
	US 2001-32376	A2	20011221
	US 2002-153185	A	20020521
	WO 2002-US26198	W	20020815
	WO 2002-US26319	W	20020815

AB The invention provides inhibitors of matrix metalloproteinases that are useful for encouraging the development of healthy skin and for treating wounds. The inhibitors are peptides having sequences related

to cleavage regions of the proenzyme forms of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams, skin covering and wound dressings that facilitate healing and healthy skin development, discourage scarring and wrinkling and ameliorate the effects of healing. Thus, a 19-residue peptide derived from the cleavage region of MMP2 speeded wound healing in mice and stimulated skin fibroblast growth in culture.

IT **569691-55-0**, Collagenase (synthetic fragment)
569691-56-1, Collagenase (synthetic fragment)
RL: COS (Cosmetic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; peptides containing cleavage regions of matrix metalloproteinase proenzymes as skin anti-aging and wound healing compds.)

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 23 May 2003
ACCESSION NUMBER: 2003:396442 CAPLUS
DOCUMENT NUMBER: 139:12251
TITLE: Anti-cancer and wound healing compounds comprising peptide inhibitors of matrix metalloproteinase
INVENTOR(S): Quirk, Stephen; Weart, Ilona F.
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 54 pp., Cont.-in-part of U.S. Ser. No. 153,185.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2003096757	A1	20030522	US 2002-219329		20020815
US 2004127420	A1	20040701	US 2001-32376		20011221
US 2003148959	A1	20030807	US 2002-153185		20020521
PRIORITY APPLN. INFO.:			US 2001-312726P	P	20010816
			US 2001-32376	A2	20011221
			US 2002-153185	A2	20020521

AB The invention provides inhibitors of matrix metalloproteinases that are useful as anti-tumor agents and for treating wounds. The inhibitors are peptides having sequences related to cleavage regions of the proenzyme forms of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams, skin covering and wound dressings that inhibit expression of vascular endothelial growth factor and encourage healing. Thus, a 19-residue peptide comprising the cleavage/activation site of the MMP-2 proenzyme was prepd and its MMP-inhibiting activity was demonstrated. The peptide stimulated keratinocyte and fibroblast growth, stimulated fibroblast migration, and stimulated collagen production by fibroblasts. Compns. for inhibiting expression of vascular endothelial growth factor are claimed comprising an effective amount of a peptide of formula I, II, III, or IV and a pharmaceutically acceptable carrier: Xaa1-Xaa2-Xaa3-Xaa4-Xaa5-Xaa6 Xaa7-Xaa8-Xaa9 (I) wherein: Xaa1, Xaa4, and Xaa6 are sep. each

apolar amino acids; Xaa2 is a basic amino acid; Xaa3 is a cysteine-like amino acid; Xaa5 is a polar or aliphatic amino acid; Xaa7 is an acidic amino acid; Xaa8 is an aliphatic or polar amino acid; Xaa9 is an aliphatic, apolar or basic amino acid.

IT **532697-63-5 532697-64-6 532697-65-7**
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; anti-cancer and wound healing compds. comprising peptide inhibitors of matrix metalloproteinase)

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 07 Mar 2003
ACCESSION NUMBER: 2003:173742 CAPLUS
DOCUMENT NUMBER: 138:226726
TITLE: Anti-cancer and wound healing compounds
INVENTOR(S): Quirk, Stephen; Weart, Ilona F.
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003018748	A2	20030306	WO 2002-US26319	20020815
WO 2003018748	A3	20040527		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004127420	A1	20040701	US 2001-32376	20011221
US 2003148959	A1	20030807	US 2002-153185	20020521
CA 2455883	AA	20030306	CA 2002-2455883	20020815
EP 1513542	A2	20050316	EP 2002-759399	20020815
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				

PRIORITY APPLN. INFO.:		
US 2001-312726P	P	20010816
US 2001-32376	A	20011221
US 2002-153185	A	20020521
WO 2002-US26319	W	20020815

OTHER SOURCE(S): MARPAT 138:226726

AB The invention provides inhibitors of matrix metalloproteinase that are useful as anti-tumor agents and for treating wounds. The inhibitors are peptides having sequences related to cleavage regions of the proenzyme forms of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams, skin covering, and wound dressings that inhibit expression of

vascular endothelial growth factor and encourage healing.

IT **500817-28-7 500817-29-8 500817-30-1**
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; anti-cancer and wound healing compds. comprising matrix metalloproteinase inhibitors)

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 28 Feb 2003
ACCESSION NUMBER: 2003:154595 CAPLUS
DOCUMENT NUMBER: 138:183116
TITLE: Peptide inhibitors of matrix metalloproteinases and their use in skin treatment and wound healing
INVENTOR(S): Quirk, Stephen; Malik, Sohail; Villanueva, Julie M.
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003016520	A1	20030227	WO 2002-US26198		20020815
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2004127420	A1	20040701	US 2001-32376		20011221
US 2003148959	A1	20030807	US 2002-153185		20020521
CA 2456158	AA	20030227	CA 2002-2456158		20020815
EP 1423515	A1	20040602	EP 2002-759388		20020815
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
BR 2002011641	A	20040713	BR 2002-11641		20020815
PRIORITY APPLN. INFO.:			US 2001-312726P	P	20010816
			US 2001-32376	A	20011221
			US 2002-153185	A	20020521
			WO 2002-US26198	W	20020815

AB The invention provides inhibitors of matrix metalloproteinases that are useful for encouraging the development of healthy skin and for treating wounds. The inhibitors are peptides having sequences related to cleavage regions of the proenzyme forms of matrix metalloproteinases. The peptide inhibitors of the invention can be formulated into therapeutic compns., lotions, creams, skin covering

and wound dressings that facilitate healing and healthy skin development, discourage scarring and wrinkling and ameliorate the effects of healing. Thus, a 19-residue peptide comprising the cleavage/activation site of the MMP-2 proenzyme was prepared This peptide inhibited many MMP's with Ki 3.1-41.1 μM. The peptide stimulated keratinocyte and fibroblast growth, stimulated fibroblast migration, and stimulated collagen production by fibroblasts.

IT **499252-68-5**
RL: BSU (Biological study, unclassified); COS (Cosmetic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(MMP inhibitor; peptide inhibitors of matrix metalloproteinases and their use in skin treatment and wound healing)

IT **499252-77-6 499252-78-7**
RL: BSU (Biological study, unclassified); COS (Cosmetic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; peptide inhibitors of matrix metalloproteinases and their use in skin treatment and wound healing)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE 'MEDLINE' ENTERED AT 14:34:04 ON 19 MAY 2005

FILE 'BIOSIS' ENTERED AT 14:34:04 ON 19 MAY 2005

FILE 'EMBASE' ENTERED AT 14:34:04 ON 19 MAY 2005

L6 0 L4

=> fil hom
FILE 'HOME' ENTERED AT 14:34:12 ON 19 MAY 2005

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     (FILE 'HOME' ENTERED AT 14:29:03 ON 19 MAY 2005)
               SET COST OFF

     FILE 'REGISTRY' ENTERED AT 14:29:54 ON 19 MAY 2005
L1             6 SEA ABB=ON  PLU=ON  LQKQLSLPETGELDSATLKAMRTPRCGVPDLGRFQTFEG
                 DLKWHHHN/SQEP
L2             7 SEA ABB=ON  PLU=ON  MQEFFGLKVTGKPDAETLKVMKQPRCGVPDVAQFVLTEG
                 NPRWEQTHLTYRIEN/SQEP
L3             7 SEA ABB=ON  PLU=ON  MQRFFGLNVTGKPNEETLDMMKKPRCGVPDSGGFMLTPG
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L4            20 SEA ABB=ON  PLU=ON  L1 OR L2 OR L3

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     FILE 'CAPLUS' ENTERED AT 14:33:49 ON 19 MAY 2005
L5             7 SEA ABB=ON  PLU=ON  L4
               D 1-7 .BEVSTR

     FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 14:34:04 ON 19 MAY 2005
L6             0 SEA ABB=ON  PLU=ON  L4

     FILE 'HOME' ENTERED AT 14:34:12 ON 19 MAY 2005


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   18 MAY 2005  HIGHEST RN 850688-83-4
     DICTIONARY FILE UPDATES:  18 MAY 2005  HIGHEST RN 850688-83-4

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.

     ************************************************************
     *                                                          *
     * The CA roles and document type information have been removed from *
     * the IDE default display format and the ED field has been added,   *
     * effective March 20, 2005.  A new display format, IDERL, is now    *
     * available and contains the CA role and document type information. *
     *                                                          *
     ************************************************************

     Crossover limits have been increased.  See HELP CROSSOVER for details.

     Experimental and calculated property data are now available. For more
     information enter HELP PROP at an arrow prompt in the file or refer
     to the file summary sheet on the web at:
     http://www.cas.org/ONLINE/DBSS/registryss.html

                    Searcher    :     Shears     571-272-2528
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FILE CAPLUS

FILE COVERS 1907 - 19 May 2005 VOL 142 ISS 21
FILE LAST UPDATED: 18 May 2005 (20050518/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE MEDLINE
FILE LAST UPDATED: 18 MAY 2005 (20050518/UP). FILE COVERS 1950 TO DA

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow promt (=>). See also:

http://www.nlm.nih.gov/mesh/
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 18 May 2005 (20050518/ED)

FILE RELOADED: 19 October 2003.

FILE EMBASE
FILE COVERS 1974 TO 12 May 2005 (20050512/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Searcher : Shears 571-272-2528